

## Claims

- [c1] A switching system comprising:
- a computer-side interface for simultaneously physically connecting to independent, dedicated cables of respective keyboard and analog video outputs of plural computers;
  - a user-side interface for physically connecting to a first set of independent, dedicated cables of a first keyboard and an analog video input of a first monitor;
  - an analog video receiving circuit, connected to the computer-side interface, for receiving analog video signals from one of the plural computers through the computer-side interface;
  - an analog video overlay image generating circuit, disposed between the computer-side interface and the user-side interface, for producing an analog overlay video signals internal to the switching system; and
  - an analog video overlay circuit, disposed between the computer-side interface and the user-side interface, for combining (1) a portion of the analog video signals received by the analog video receiving circuit and (2) the analog overlay video signals generated internally to the switching system to form a combined analog signal that is output to the first monitor via the user-side interface.